



**NOAA Teacher at Sea
Jacquelyn Hams
Onboard NOAA Ship RAINIER
July 22-August 11 2006**

August 7, 2006

Science and Technology Log

1800

Weather: Clear
Visibility: 10 nm
Wind direction: 290
Wind speed: 6 knots
Sea Wave height: /
Swell Waves direction: /
Swell height: /
Seawater temperature: 10.6
degrees C
Sea level pressure: 1020.5 mb
Temperature dry bulb: 15.6
degrees C
Temperature wet bulb: 12.8
degrees C



TAS Jacquelyn Hams using a sextant

Personal Log

We are anchored in East Bight and I continue to work on lesson plans. It is a beautiful clear day with many great photo opportunities. I take advantage of the expertise of Intern Umeko Foster, who gives me a crash course in using the sextant. I reluctantly admit to owning a sextant for many years and not using it to navigate. Umeko is an excellent teacher and for the first time I am able successfully move the sun to the correct position on the horizon! As a bonus, Umeko demonstrates the correct way to read degrees and minutes. After dinner, Able Seaman Leslie Abramson drives the liberty boat to and from the beach so crew members can enjoy a little r and r. I ask Leslie to take me on a cruise to a nearby outcrop of rocks with many geologic structures.



This outcrop in East Bight is heavily faulted and folded.



Geologic structures are everywhere in this outcrop. Save this picture to your desktop and enlarge it. How many faults, dikes, sills, and folds do see?